

10/590680

SEQUENCE LISTING

<110> UWS Ventures Limited
Walker, William
Hopkin, Julian M

<120> Materials and Methods for Treatment of Allergic Disease

<130> RIC/6284012

<140> PCT/GB2005/000721

<141> 2005-02-25

<150> GB 0404209.9

<151> 2004-02-25

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Cys Cys Asn Leu Ala Ser Ala Leu Leu Ser Asp Thr Val Gln His Leu
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Gln Ala Ser Val Gly Glu Gln Gly Glu Gly Ser Thr Ile Leu Gln His
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Ile Ser Thr Leu Glu Ser Ile Tyr Gln Arg Asp Pro Leu Lys Leu Val
 85 90 95

Ala Thr Phe Arg Gln Ile Leu Gln Gly Glu Lys Lys Ala Val Met Glu
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Gln Phe Arg His Leu Pro Met Pro Phe His Trp Lys Gln Glu Glu Leu
 115 120 125

Lys Phe Lys Thr Gly Leu Arg Arg Leu Gln His Arg Val Gly Glu Ile
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His Leu Leu Arg Glu Ala Leu Gln Lys Gly Ala Glu Ala Gly Gln Val
 145 150 155 160

Ser Leu His Ser Leu Ile Glu Thr Pro Ala Asn Gly Thr Gly Pro Ser
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Glu Ala Leu Ala Met Leu Leu Gln Glu Thr Thr Gly Glu Leu Glu Ala
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Ala Lys Ala Leu Val Leu Lys Arg Ile Gln Ile Trp Lys Arg Gln Gln
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Gln Glu Arg Cys Glu Ser Leu Val Asp Ile Tyr Ser Gln Leu Gln Gln
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Glu Val Gly Ala Ala Gly Gly Glu Leu Glu Pro Lys Thr Arg Ala Ser
245 250 255

Leu Thr Gly Arg Leu Asp Glu Val Leu Arg Thr Leu Val Thr Ser Cys
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Pro Ala Lys Pro Pro Leu Val Arg Ala Asp Met Val Thr Glu Lys Gln
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Ala Arg Glu Leu Ser Val Pro Gln Gly Pro Gly Ala Gly Ala Glu Ser
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Thr Gly Glu Ile Ile Asn Asn Thr Val Pro Leu Glu Asn Ser Ile Pro
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Glu Lys Met Cys Glu Thr Leu Asn Leu Lys Phe Met Ala Glu Val Gly
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Ala Val Ser Ser Pro Asp Pro Leu Leu Cys Ser Asp Val Thr Met Val
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Cys Tyr Asn Met Ala Ser Ala Leu Leu Ser Ala Thr Val Gln Arg Leu
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Ile Ser Thr Leu Glu Ser Ile Tyr Gln Arg Asp Pro Leu Lys Leu Val
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Ala Thr Ile Arg Gln Ile Leu Gln Gly Glu Lys Lys Ala Val Ile Glu
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Glu Phe Arg His Leu Pro Gly Pro Phe His Arg Lys Gln Glu Glu Leu
 115 120 125

Lys Phe Thr Thr Pro Leu Gly Arg Leu His His Arg Val Arg Glu Thr
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Gln Glu Arg Cys Glu Ser Leu Val Glu Ile Tyr Ser Gln Leu His Gln
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Glu Ile Gly Ala Ala Ser Gly Glu Leu Glu Pro Lys Thr Arg Ala Ser
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Leu Ile Ser Arg Leu Asp Glu Val Leu Arg Thr Leu Val Thr Ser Ser
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Phe Leu Val Glu Lys Gln Pro Pro Gln Val Leu Lys Thr Gln Thr Lys
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Phe Gln Ala Gly Val Arg Phe Leu Leu Gly Leu Gln Phe Leu Gly Thr
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Ser Thr Lys Pro Pro Met Val Arg Ala Asp Met Val Thr Glu Lys Gln
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Ala Arg Glu Leu Ser Leu Ser Gln Gly Pro Gly Thr Gly Val Glu Ser
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Thr Gly Glu Ile Met Asn Asn Thr Val Pro Leu Glu Asn Ser Ile Pro
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Glu Lys Met Cys Glu Thr Leu Asn Leu Lys Phe Met Val Glu Val Gly
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Gln Tyr Val Thr Ser Leu Leu Leu Asn Glu Pro Asp Gly Thr Phe Leu
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Ile Arg Gly Gln Asp Gly Ser Ser Gln Ile Glu Asn Ile Gln Pro Phe
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Ser Ala Lys Asp Leu Ser Ile Arg Ser Leu Gly Asp Arg Ile Arg Asp
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Pro Thr Pro Glu Pro Gln Met Pro Ala Met Val Pro Pro Tyr Asp Leu
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Pro Pro Gln Ser Ile His Ser Phe Gln Ser Leu Glu Glu Ser Met Ser
690 695 700

Val Leu Pro Ser Phe Gln Glu Pro His Leu Gln Met Pro Pro Asn Met
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Ser Gln Ile Thr Met Pro Phe Asp Gln Pro His Pro Gln Gly Leu Leu
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Gln Cys Gln Ser Gln Glu His Ala Val Ser Ser Pro Glu Pro Met Leu
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Trp Ser Asp Val Thr Met Val Glu Asp Ser Cys Leu Thr Gln Pro Val
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Gly Gly Phe Pro Gln Gly Thr Trp Val Ser Glu Asp Met Tyr Pro Pro
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Leu Leu Pro Pro Thr Glu Gln Asp Leu Thr Lys Leu Leu Leu Glu Asn
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Gln Gly Glu Gly Gly Gly Ser Leu Gly Ser Gln Pro Leu Leu Lys Pro
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 <212> PRT
 <213> Rattus norvegicus

<400> 13

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Arg Leu Tyr Val Asp Phe Pro Gln His Leu Arg His Leu Leu Ala Glu
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Trp Leu Glu Asn Gln Pro Trp Glu Phe Leu Val Gly Ser Asp Ala Phe
 35 40 45

Cys Tyr Asn Met Ala Ser Ala Leu Leu Ser Ala Thr Val Gln Arg Leu
 50 55 60

Gln Ala Ser Ala Gly Glu Gln Gly Lys Gly Ser Ser Leu Leu Gln His
 65 70 75 80

Ile Ser Thr Leu Glu Ser Ile Tyr Gln Arg Asp Pro Leu Lys Leu Val
 85 90 95

Ala Thr Ile Arg Gln Ile Leu Gln Gly Glu Lys Lys Ala Val Ile Glu
 100 105 110

Glu Phe His His Leu Pro Gly Pro Phe His Arg Lys Gln Glu Glu Leu
 115 120 125

Lys Phe Thr Thr Ala Leu Gly Arg Leu Gln His Arg Val Arg Glu Thr
 130 135 140

Arg Ile Leu Arg Glu Ser Leu Gln Gln Gly Thr Lys Thr Ala Gln Val
 145 150 155 160

Ser Leu Lys Asn Leu Ile Asp Pro Pro Ala Asn Gly Thr Gly Pro Ser
 165 170 175

Glu Asp Leu Ala Thr Met Leu Gln Gly Thr Val Gly Asp Leu Glu Ala
 180 185 190

Thr Gln Ala Leu Val Leu Lys Arg Ile Gln Ile Trp Lys Arg Gln Gln
 195 200 205

Gln Leu Ala Gly Asn Gly Thr Pro Phe Glu Glu Ser Leu Ala Gly Leu
 210 215 220

Gln Glu Arg Cys Glu Ser Leu Val Glu Ile Tyr Ser Gln Leu Gln Gln
 225 230 235 240

Glu Ile Gly Ala Ala Ser Gly Glu Leu Glu Pro Lys Thr Arg Ala Ser
 245 250 255

Leu Ile Ser Arg Leu Asp Glu Val Leu Arg Thr Leu Val Thr Ser Ser
 260 265 270

Phe Leu Val Glu Lys Gln Pro Pro Gln Val Leu Lys Thr Gln Thr Lys
 275 280 285

Phe Gln Ala Gly Val Arg Phe Leu Leu Gly Leu Gln Phe Leu Gly Thr
 290 295 300

Ser Ala Lys Pro Pro Leu Val Arg Ala Asp Met Val Thr Glu Lys Gln
 305 310 315 320

Ala Arg Glu Leu Ser Leu Pro Gln Gly Ser Gly Ala Gly Val Glu Ser
 325 330 335

Thr Gly Glu Ile Met Asn Asn Thr Val Pro Leu Glu Asn Ser Val Pro
 340 345 350

Gly Asn Cys Cys Ser Ala Leu Phe Lys Asn Leu Leu Leu Lys Lys Ile
 355 360 365

Lys Arg Cys Glu Arg Lys Gly Thr Glu Ser Val Thr Glu Glu Lys Cys
 370 375 380

Ala Val Leu Phe Ser Thr Ser Phe Met Leu Gly Pro Asn Lys His Leu
 385 390 395 400

Ile Gln Leu Gln Ala Leu Ser Leu Pro Leu Val Val Ile Val His Gly
 405 410 415

Asn Gln Asp Asn Asn Ala Lys Ala Thr Ile Leu Trp Asp Asn Ala Phe
 420 425 430

Ser Glu Met Asp Arg Val Pro Phe Val Val Ala Glu Arg Val Pro Trp
435 440 445

Glu Lys Met Cys Glu Thr Leu Asn Leu Lys Phe Met Ala Glu Val Gly
450 455 460

Thr Ser Arg Gly Leu Leu Pro Glu His Phe Leu Phe Leu Ala Gln Lys
465 470 475 480

Ile Phe Asn Asp Asn Ser Leu Ser Ile Glu Ala Phe Gln His Arg Cys
485 490 495

Val Ser Trp Ser Gln Phe Asn Lys Glu Ile Leu Leu Gly Arg Gly Phe
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Thr Phe Trp Gln Trp Phe Asp Gly Val Leu Asp Leu Thr Lys Arg Cys
515 520 525

Leu Arg Ser Tyr Trp Ser Asp Arg Leu Ile Ile Gly Phe Ile Ser Lys
530 535 540

Gln Tyr Val Thr Ser Leu Leu Leu Asn Glu Pro Asp Gly Thr Phe Leu
545 550 555 560

Leu Arg Phe Ser Asp Ser Glu Ile Gly Gly Ile Thr Ile Ala His Val
565 570 575

Ile Arg Gly Gln Asp Gly Ser Ser Gln Ile Glu Asn Ile Gln Pro Phe
580 585 590

Ser Ala Lys Asp Leu Ser Ile Arg Ser Leu Gly Asp Arg Ile Arg Asp
595 600 605

Leu Ala Gln Leu Lys Asn Leu Tyr Pro Lys Lys Pro Lys Asp Glu Ala
610 615 620

Phe Arg Ser His Tyr Lys Pro Glu Gln Met Gly Lys Asp Gly Arg Gly
625 630 635 640

Tyr Val Ser Thr Thr Ile Lys Met Thr Val Glu Arg Asp Gln Pro Leu
645 650 655

Pro Thr Pro Glu Pro Gln Met Pro Ala Met Val Ala Pro Tyr Asp Leu
660 665 670

Gly Met Ala Pro Asp Ala Ser Met Gln Leu Ser Ser Asp Met Val Pro
675 680 685

His Leu Gln Met Pro Pro Thr Met Ser Gln Ile Ser Met Pro Phe Asp
690 695 700

Gln Pro His Pro Gln Gly Leu Leu Gln Cys Gln Ser Gln Glu His Ala
705 710 715 720

Val Ser Ser Pro Glu Pro Leu Leu Cys Ser Asp Val Thr Met Ala Glu
725 730 735

Asp Ser Cys Leu Thr Gln Pro Val Gln Gly Phe Pro Gln Gly Thr Trp
740 745 750

Val Ser Glu Gly Met Tyr Pro Pro Leu Met Pro Pro Thr Glu Gln Asp
755 760 765

Leu Thr Lys Leu Leu Leu Glu Gly Gln Gly Glu Gly Gly Ser Ile
770 775 780

Gly Thr Gln Pro Leu Leu Gln Pro Ser Ser Tyr Gly Gln Ser Gly Ile
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Ser Met Ser His Leu Asp Leu Arg Thr Asn Pro Ser Trp
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<400> 15
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<210> 16
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 <213> Homo sapiens

<400> 16
 aaacagtacg ttactagcct t 21

<210> 17
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 17
 aagaatcagt caacgtgttg t 21

<210> 18
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 <212> DNA
 <213> Homo sapiens

<400> 18
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<210> 19
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<220>

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21

<210> 20

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<400> 20

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21

<210> 21

<211> 21

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<213> Artificial sequence

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<223> siRNA

<400> 21

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<210> 22

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<212> DNA

<213> Artificial sequence

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<223> siRNA

<400> 22

ugaugauuuc uccagugcut t

21